

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2005/001223

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C10G47/16 C10G47/18 C10G47/20 B01J29/08 B01J29/12
 B01J29/16 B01J29/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C10G B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 23 12 999 A (MOBIL OIL CORP) 27 September 1973 (1973-09-27) page 11, paragraph 2; claims 1-14; examples 1-20 page 13, paragraph 1	1-46
X	DE 19 23 808 A (UNION OIL CO) 19 November 1970 (1970-11-19) claims 1-5; examples 1,2	1-5, 9-14, 16-20, 33-38,40
X	US 4 199 328 A (COLE EDWARD L ET AL) 22 April 1980 (1980-04-22) examples 1-4	45,46

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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X document of particular relevance; the claimed Invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the International search

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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X	DE 36 16 611 A (LINDE AG) 19 November 1987 (1987-11-19) claims 1,2; tables 1,3	1-5, 9, 10,13, 14,16, 25-30, 33-40
X	EP 0 101 177 A (MOBIL OIL CORP) 22 February 1984 (1984-02-22) claims 1-9; example 1; tables 1,2	1-5, 9-14,16, 19,20, 25-32, 35-38, 40,42
X	US 4 435 283 A (BUSS WALDEEN C ET AL) 6 March 1984 (1984-03-06) column 4, paragraph 2; claim 19; examples 2,3	1-5, 9-14, 16-20, 25,27, 28,30, 33-40,42
A	US 3 655 551 A (HASS ROBERT H ET AL) 11 April 1972 (1972-04-11) example 1	1,27-32

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